

**Study Number:** C10188-02

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**C Number:**

**Study Gender:**

**PWG Approval Date**

**R02: Reproductive Performance Summary**

**Test Compound:** Di(2-Ethylhexyl) Phthalate

**CAS Number:** 117-81-7

C10188-02

Both

See web page for date of PWG Approval

**Date Report Requested:** 09/17/2019

**Time Report Requested:** 11:08:41

**Lab:** NTP

Study Number: C10188-02

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

R02: Reproductive Performance Summary

Test Compound: Di(2-Ethylhexyl) Phthalate

CAS Number: 117-81-7

Date Report Requested: 09/17/2019

Time Report Requested: 11:08:41

Lab: NTP

F0 Female

Treatment Groups (ppm)

Litter ID	0	300	1000	3000	10000
A					
No. Females Mated	45	45	45	45	45
No. Females Pregnant	39	35	38	35	32
No. Females Littering	34	29	31	29	26
Percent of Pregnant Females/Mated <sup>a</sup>	86.7	77.8	84.4	77.8	71.1
Percent of Littered Females/Mated <sup>a</sup>	75.6	64.4	68.9	64.4	57.8
Percent of Littered Females/Pregnant <sup>a</sup>	87.2	82.9	81.6	82.9	81.3
Gestational Length <sup>b</sup>	22.1 ± 0.1 (34)	22.1 ± 0.1 (29)	22.3 ± 0.1 (31)	22.0 ± 0.0 (29)	22.2 ± 0.1 (26)

**Study Number:** C10188-02

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**R02: Reproductive Performance Summary**

**Test Compound:** Di(2-Ethylhexyl) Phthalate

**CAS Number:** 117-81-7

**Date Report Requested:** 09/17/2019

**Time Report Requested:** 11:08:41

**Lab:** NTP

LEGEND

---

F0 time mated females were vendor provided so endpoints involving number of females paired, and pre-coital interval were not calculated. Pregnancy was defined as evidence of implantation or littering. Vendor's time of confirmation of mating was utilized for calculation of F0 gestational length.

In multiple breeding/littering studies Litter A is the default designation for the first litter; subsequent litters would be B, C etc.

Gestation length in days calculated for sperm positive females that delivered a litter; results shown as mean  $\pm$  SEM (N).

Animals removed after the cohabitation period but prior to expected littering are excluded from littering calculations.

<sup>a</sup>Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided tests.

<sup>b</sup>Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

**\*\* END OF REPORT \*\***